

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						ATTY DOCKET NO. 1335.00007			SERIAL NO. 08/949,213		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT						APPLICANT: Herbert M. Reynolds et al.					
						FILING DATE October 10, 1997			GROUP 3108		
U.S. PATENT DOCUMENTS											
Examiner Initial		Document No.				Date	Name	Class	Sub- Class	Filing Date	
FOREIGN PATENT DOCUMENTS											
		Document No.				Date	Country	Class	Sub- Class	Transl.	
										Yes	No
OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)											
		Kinetic Computer Modeling of Human Posture in Automotive Seats, by David F. Ekern et al., Copyright 1997									
		Society of Automotive Engineers, Inc., Pages 125 through 133 (970592)									
		Biomechanically Articulated Chair Concept and Prototypes, by Robert Hubbard and Christopher Gedraitis,									
		Copyright 1997 Society of Automotive Engineers, Inc., Pages 117 through 124 (970591)									
Examiner						Date Considered					
RAZUL						7-22-04					
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OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent Pages, etc.)													
<div>Progress with Human Factors in Automotive Design: Seating Comfort, Visibility, and Safety, Published by</div> <div>Society of Automotive Engineers, Inc., February 1997.</div>													
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Examiner Initial	Document No.	Date	Name	Class	Sub- Class	Filing Date
RL	3 1 4 7 6 1 7	09/08/64	Kaptur, Jr. et al.	73	172	02/06/61
RL	3 7 7 8 1 0 4	12/11/73	Kusters	297	458	04/21/71
RL	4 0 2 6 0 4 1	05/31/77	Kennedy	35	26	04/28/76
RL	4 2 4 2 8 0 2	01/06/81	Jenner et al.	33	174	05/17/79
RL	4 5 7 8 8 7 5	04/01/86	Vertin	33	562	10/17/83
RL	4 6 8 8 8 5 3	08/25/87	Watts	297	459	01/30/86
RL	4 7 2 8 1 5 0	03/01/88	Gaudreau, Jr.	297	383	10/08/86
RL	4 9 9 3 1 6 4	02/19/91	Jacobsen	33	561.3	07/05/90
RL	4 9 9 8 3 5 4	03/12/91	Silverman et al.	33	514.2	06/20/90
RL	5 0 1 8 7 9 0	05/28/91	Jay	297	458	03/12/90
RL	5 0 5 8 2 8 5	10/22/91	Morita et al.	33	563	07/18/90
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub- Class	Transl. Yes No
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Examiner	RAW10		Date Considered 7-22-04			
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Examiner Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date
RL	5 0 6 0 3 9 3	10/29/91	Silverman et al.	33	512	03/11/91
RL	5 1 9 3 2 8 5	03/16/93	Heinrich et al.	33	514.2	08/01/91
RL	5 2 3 5 9 8 8	08/17/93	Johnson et al.	128	774	07/15/91
RL	5 3 7 5 6 1 0	12/27/94	LaCourse et al.	128	782	04/28/92
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
Application Number		08/949,213			
Filing Date		October 10, 1997			
First Named Inventor		Herbert M. Reynolds et al.			
Group Art Unit		2856			
Examiner Name		R. Raevis			
Attorney Docket Number		1335-00007 (60,598-001)			
Sheet	1	of	2		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RR	1	Devices for Use in Defining and Measuring Vehicle Seating Accomodation – SAE J826 April 1980	
RR	2	Spatial Geometry of the Human Pelvis, by H.M. Reynolds, C.C. Snow, J.W. Young, Civil Aeromedical Institute, March 1982	
RR	3	Geometric Model and Spinal Motions of the Average Male in Seated Postures, by W. Haas, Thesis, March/April 1990	
RR	4	The Use of Electromyography for Seat Assessment and Comfort Evaluation, by T. Bush, F.T. Mills, K. Thakurta, R.P. Hubbard and J. Vorro, International Congress and Exposition, February 1995 (950143)	
RR	5	Selected Design Parameters for Relining Seats Based on Engineering Anthropometry; M.M. Ayoub, S. Deivanayagam; Department of Industrial Engineering Texas Tech University, Lubbock, Texas; September 1977	
RR	6	An Investigation of Driver Discomfort and Related Seat Design Factors in Extended Duration Driving; Matthew P. Reed, Masatsugo Saito and Yasuo Kakishima, Nahm S. Lee & Lawrence W. Schneider; International Congress and Exposition, Detroit, MI Feb 25- March 1, 1991	
RR	7	Lumbar Support in Auto Seats: Conclusions from a Study of Preferred Driving Posture; Matthew P. Reed and Lawrence W. Schneider International Congress & Exposition, Detroit, MI February 26-29, 1996	
RR	8	A Kinematic Model of the Human Spine and Torso, Gary Monheit and Norman I. Badler; University of Penn	
RR	9	Some Effects of Lumbar Support Contour on Driver Seated Posture; Matthew P. Reed, Lawrence W. Schneider and Bethany A. H. Eby; University of Michigan	
RR	10	Distribution of Automobile Trip Durations for Studies of Seat Comfort; Matthew P. Reed and Dawn L. Massie; University of Mich.; International Congress and Exposition, Detroit, MI Feb 26-29, 1996	
	11	Spinal Curvature of Young Adult Females; Herbert M. Reynolds, James J. Rechten, Grayson W. Marshall and Sally Marshall	

Examiner Signature	RAEWIS	Date Considered	7-22-04
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		Filing Date	October 10, 1997
		First Named Inventor	Herbert M. Reynolds et al.
		Group Art Unit	2856
		Examiner Name	R. Raavis
Sheet 2 of 2	Attorney Docket Number	1335.00007 (60,598-001)	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RR	12	Anatomical Frames of Reference and Biomechanics; Herbert M. Reynolds and Robert P. Hubbard; Department of Biomechanics, Michigan State University Human Factors, 1980 22(2) 171-176	
RR	13	The Influence of Backrest Inclination and Lumbar Support of Lumbar Lordosis; G.B.J. Anderson, MD, PhD; R.W. Murphy, MD, R. Ortengren, PHD; and A.L. Nachemson, MD, PhD.; Spine Volume 4, Number 1 January/February 1979	
RR	14	Lumbar Disc Pressure and Myoelectric Back Muscle Activity During Sitting; IV Studies on a Car Driver's Seat; R.J. G. Anderson, R. Ortengren, A Nachemson and G. Ellstrom; Scand J. Rehab Med 6:128-133, 1974	
RR	15	A Design Layout and Method for Relating Seating to the Occupant and Vehicle; F.W. Babbs; T.I. Cox; Ergonomics, 1979, Vol 22 No 2, 227-234	
	16	The Driving Seat, Its Adaptation to Functional and Anthropometric Requirement; Royal Aircraft Establishment	
RR	17	Erect, Neutral and Slump Sitting Postures; A Study of the Torso Linkage System from Shoulder to Hip Joint; Herbert M. Reynolds; October 1994	

Examiner Signature	RAEVL	Date Considered	7-22-04
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